



Medical Planning, Resourcing, and Requirements Branch



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Medical Requirements Modernization



Medical Planning, Resourcing, and Requirements Branch

Mission: Define, Advocate, Plan,
Program and Budget for Health
Support Requirements That Improve
Combat Air Forces Future
Operational Capabilities



“Upper Cell” Overview



- Review, Develop, & Coordinate Strategic Guidance Documents
- Medical Portion of the Agile Combat Support (ACS) Mission Area Plan
- ACC/SG Mission Support Plan (MSP)
- Modernization POM Build
- Develop, Coordinate, Review & Advocate Requirements Documents
- Lead Operating Command for ACS Medical Systems
- Lead Operating Command for Medical NBC Passive Defense Requirements
- Lead for NBC Doctrine Development



DoD Decision Support Systems for Modernization

- Three Interlocking Systems
 - ***Planning, Programming and Budgeting System***
 - ***Requirements Generation System***
 - Acquisition Management Systems
- Focus on First Two Only



ACS Modernization Planning

- Long Range Planning and Modernization IAW:
 - AFPD 10-14, “Modernization Planning”
 - AFPD 10-9, “Lead Operating Command Weapon Systems Management”
 - AFI 10-1401, “Modernization Planning Documentation”
 - ACC MD 38-157 “ACC Corporate Structure Process”



ACC/SG Modernization Plans

- Guidance Documents
- ACC Strategic and Master Plan
- ACC/SG Mission Support Plan
- Agile Combat Support Mission Area Plan (ACS MAP)
- ACC POM



Review, Develop, & Coordinate Strategic Guidance Documents for ACC/SG

- Joint Vision 2020
- CINC Integrated Priority Lists
- Defense Planning Guidance
- Annual Planning Programming
Guidance
- Air Force Program Projection
- AF/AFMS Strategic Plans

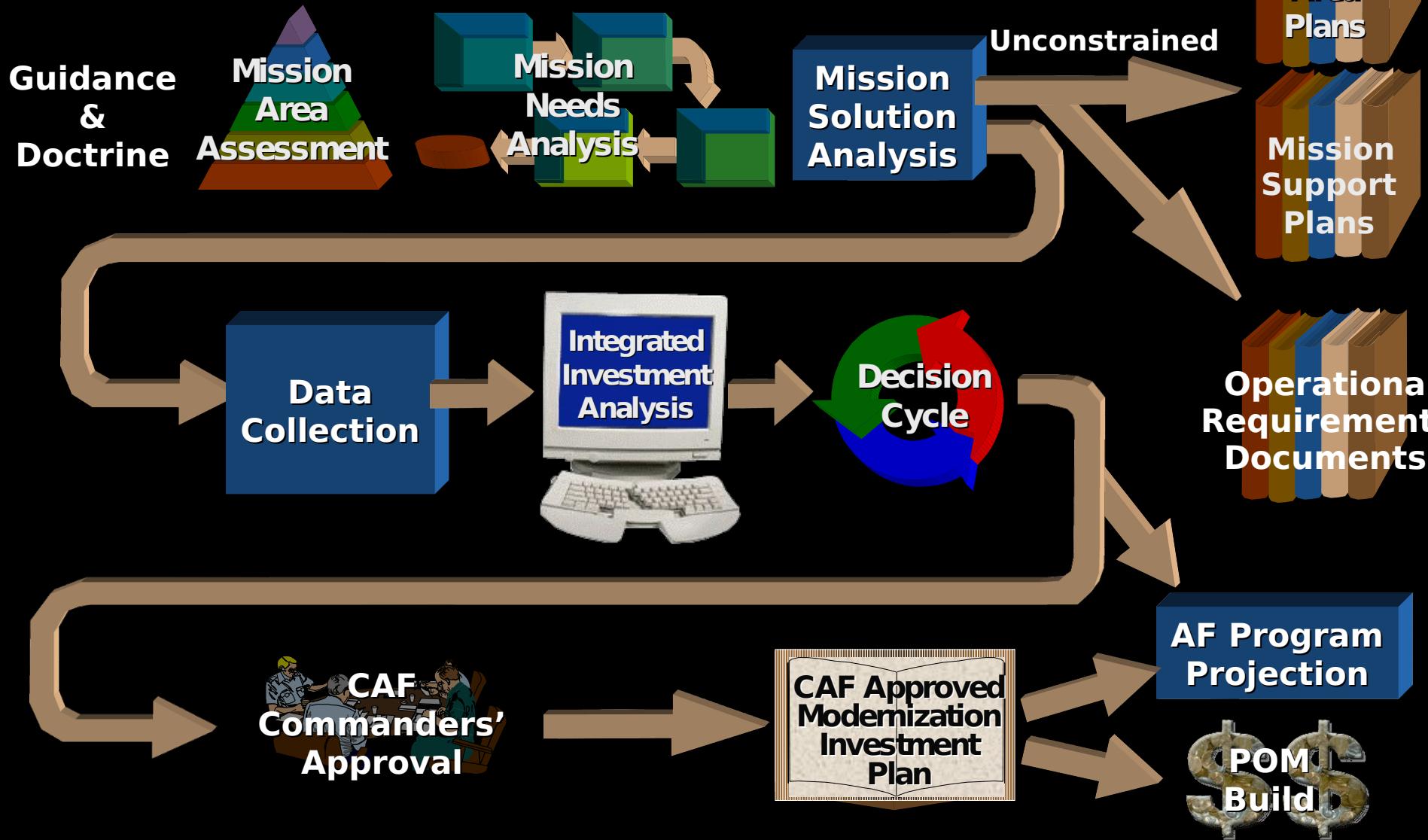


ACC Strategic and Master Plans



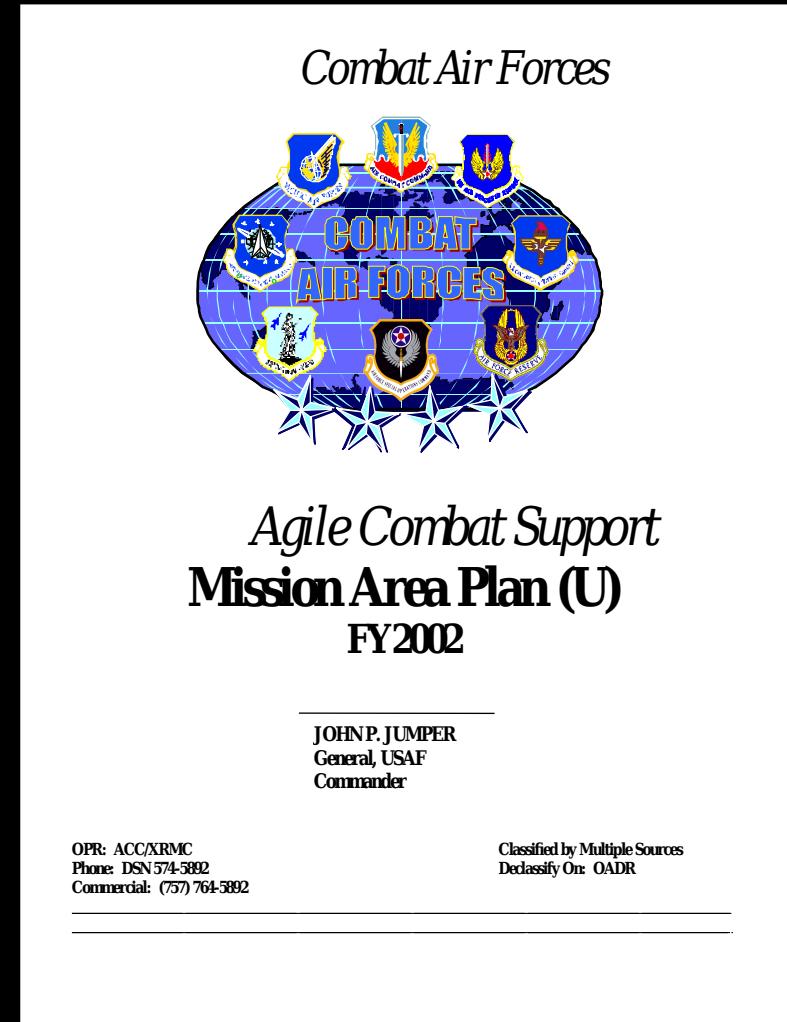
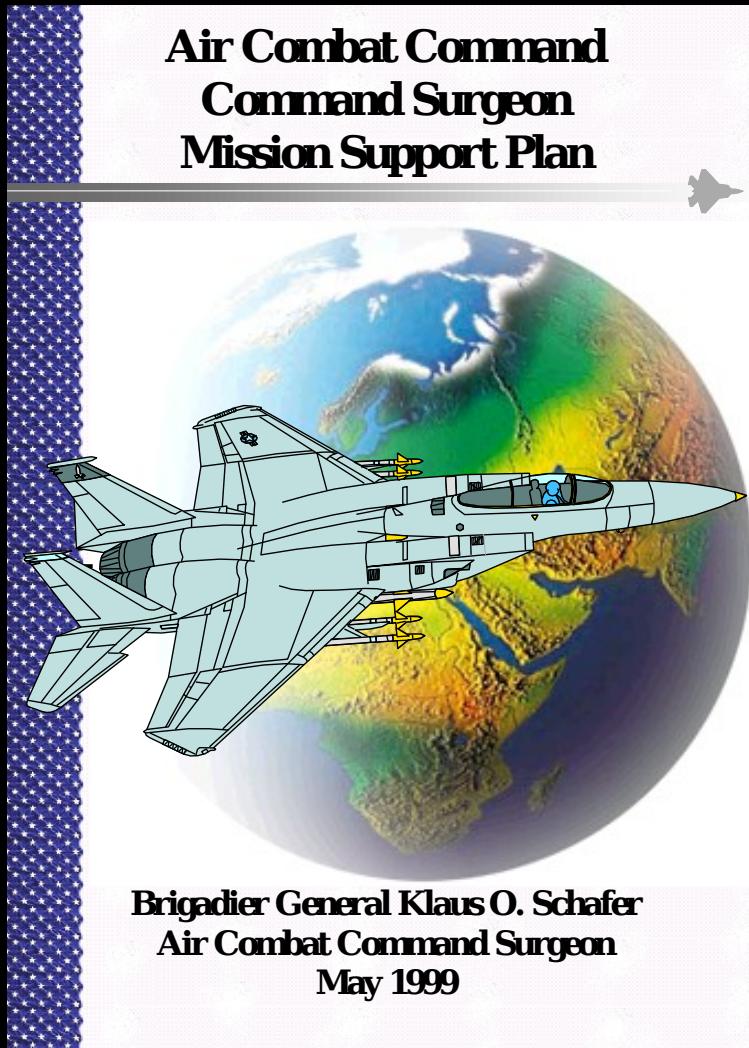


Modernization Planning Process





ACC/SG Modernization Planning Documents





The Modernization Dilemma



100
Proposals



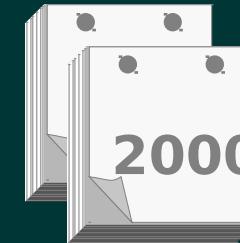
Shrinking
Budget

**More Programs
Than Dollars**



**Risk
Management**

**Near-term
vs
Far-term**



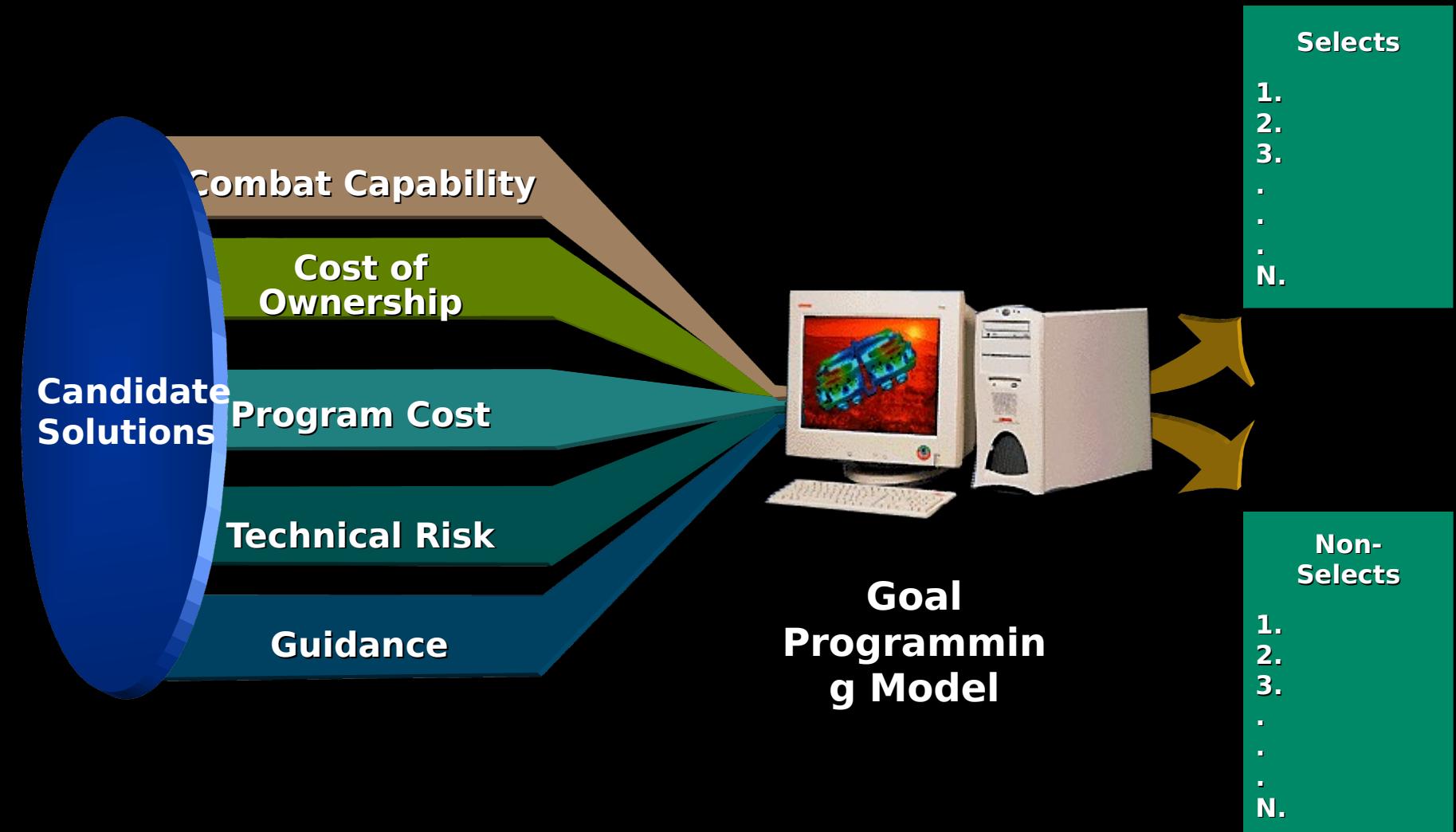
+ 25 Years



**Competing
Programs**



ACC Mission Investment Plan (MIP)





ACC/SG MIP Results FY02-07 POM

- #9 RAPID
- #23 Microlab System
- #28 Hand Held X-Ray System
- #70 Mobil Tentage ECU
- #118 LAN System for EMEDS
- #130 Digital X-Ray System
- #141 Casualty Evacuation/Amb Platforms
- #152 Latrine System for CHATH
- #196 Telemedicine
- #254 Hyperbaric Chamber
- #356 Clinical Data Management System (GEMS)
- #470 Alternative Medical Oxygen Supply System



Global Expeditionary Medical System (GEMS)

BACKGROUND:

Public Law 105-86 mandates the identification and tracking of changes in the human weapons system during the course of a deployment. There is no adequate deployed in theater electronic capture system.

ADJUSTMENT:

Expedites field identification of potentially harmful pathogens, and electronically assembles diverse medical diagnoses into a theater-level

<u>FUNDING</u>	<u>review tool for commanders</u>	<u>02A21167CN</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
CURRENT PROGRAM			21.8	22.8	22.0	24.3	0.0	0.0
ADJUSTMENT			7.0	7.2	4.1	1.7	1.6	1.6
REVISED PGM			28.8	30.0	26.1	26.0	1.6	1.6

TOTAL

<u>PROCUREME</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>MANPOWER</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>
MSS	NT	6	6	4	0	0	OFFICER	0	0	0	0	0	0
RAPIDS		10	4	2	0	0	ENLISTED	0	0	0	0	0	0
Diagnostics		3	22	0	0	0	CIVILIAN	0	0	0	0	0	0

IMPACTS:

CINC IPL: JFCOM, SOUTHCOM, USCINCCENT

-Supports CINC's Health Force Protection priorities

-Combats medical threats. Identifies and tracks significant medical events providing earliest warning of food/water borne illnesses and other high-threat agents (e.g. Anthrax)

-Rapid clinical and environmental identification and tracking of pathogens in field conditions

-Prevents unnecessary patient aeromedical evacuation

-Reduces lift requirements

-Critical modernization initiative for AEF Expeditionary Medical Support

-Funds real-time capture and analysis of AEF patient data resulting from exposures to bacteria, viruses, TICs/TIMs, fung i-supports EMEDS

DPG: YES

APPG: YES



Other Sources of Agile Combat Support Modernization Funding

- Congressional -- NBC
- Federal Agencies -- DARPA, DTRA
- CINC Funds -- Command And Control Integration Program (C2IP)
- Air Force -- Productivity, Reliability, Availability, and Maintainability Program (PRAM)



Requirements Development

- Our Guiding Policy:
 - CJCSI 3170.01A, “Requirements Generation System”
 - AFPD 10-6, “Mission Needs and Operational Requirements”
 - AFI 10-601, “Air Force Mission Needs and Operational Requirements”



Lead MAJCOM Designation

- ACC/SG “Lead Command” for Medical NBC Defense and Ground Based Medical Systems
 - How We Impact:
 - Represent CAF CINCs in ACS and Joint Communities
 - Ensure Medical Related Requirements Receive Comprehensive and Equitable Support
 - Develop and Coordinate Requirements
 - Plan, Program, and Budget for Same



Active ORD Development Role

- ACC/SG Sponsors/Advocates:
 - Joint Biological Agent Identification and Diagnosis System (JBAID)
 - Joint Service Fixed Site Decontamination System (JSFXD)
 - Joint Transportable Collective Protection System (JTCOPS)
 - Deployable Oxygen System (DOS)
 - Individual Water Purification



JBAID

- ACC/SG Led JBAID ORD Development Effort
 - Reusable, Portable, and Modifiable
 - Simultaneous Reliable Identification of Multiple Biological Agents of Operational Concern
 - Other Pathogens of Clinical Significance



JSFXD

- Active Member JSFXD Medical IPT:
 - Developed Block I -- Family of Application Systems
 - Developed Block II -- Decontaminants for Enclosed Systems, Medical Equipment, Facilities, Vehicles, and Personnel
- We Strongly Advocated for Decontamination of Patients with Open Wounds
 - Resulted in Block III in FY06



JTCOPS

- Active Member of This IPT
 - Advocated Medical Protective Shelter Requirements
 - Lightweight, Modular, Self-Supporting with Advanced Filtration and Reduced Power Requirements
 - Bump-Through Doors and Washable Flooring System
 - Liner for Existing Bare Base Assets



Deployable Oxygen System

- Replace PTLOX
 - Maintenance, Leakage Issues, Tank Rotation
- Far Forward Capability (EMEDS Support)
- Man Portable
- COTS Solution Expected



Individual Water Purification

- Forward Deployed Medics (EMEDS Support)
- Canteen Insert Device
- On-the-Spot Water From Any Source
- Chemical and Biological Contamination
- DARPA Initiative



Joint NBC Defense Requirements

- Through Our JSIG Role:
 - Coordinate Joint Planning, Doctrine Development and NBC Defense Modernization Planning
- Develop and Prioritize Joint Future Operational Capabilities (JFOCs)
 - Battle Management
 - Contamination Avoidance
 - Individual Protection
 - Collective Protection
 - Restoration Capability



Major Medical Defense JFOCs

- Casualty Care/Management:
 - Enclosed Patient Transport System
- Pretreatment/Vaccines
 - Plague/Tularemia/Anthrax
- Planning and Analysis/Reporting Management
- Stockpile Management
 - Logistical Support
- Veterinary Support
 - Preventive Medicine
- Surveillance
 - GEMS



Improving Requirements Generation Process

- ACC/SGR Impact:
 - Protect ACC, ACS, CAF, and AFMS Interests
 - JSIG AO and MPSP Working Groups
 - Reduce Requirements Documentation Cycle Time
 - Phase Requirements Matched to Technology



Bare Base Integrated Product Team (BBIPT)

- Member BBIPT:
 - Enhances Bare Base Operating Capabilities Through the CAF Modernization Process
- Examples of Key ACC/SG Impacts:
 - Integrate New Technology Systems to Satisfy Bare Basing Requirements
 - EMEDS Power Generation Support
 - Small Shelter System
 - Waste Management System



Force Protection (FP) Integrated Product Team (FPIPT)

- Member FPIPT Managing and Integrating Force Protection Medical Requirements
 - RAPIDS Resulted from ACC/SG and FP Battlelab Collaborative Effort



Issues

- Modernization Versus Sustainment
- Program Element Code (PEC)
- Requirements Coordination Process Ownership
- JSIG MPSP
- Lead MAJCOM for ACS

